



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/785,210
Source: 1 FWO
Date Processed by STIC: 3/8/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221

Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/efc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 4B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 10/785,210

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use **space characters**, instead.
- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 Skipped Sequences
 (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (ii) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped

 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 Skipped Sequences
 (NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
 <210> sequence id number
 <400> sequence id number
 000
- 9 Use of n's or Xaa's
 (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
 Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
 In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10 Invalid <213>
 Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
 (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n/Xaa "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid



IFWO

RAW SEQUENCE LISTING

DATE: 03/08/2004

PATENT APPLICATION: US/10/785,210

TIME: 09:32:47

Input Set : A:\SEQUENCE LISTING.txt

Output Set: N:\CRF4\03082004\J785210.raw

3 <110> APPLICANT: The Dow Chemical Company
 4 Strom, Robert M.
 5 Brondsema, Philip J.
 7 <120> TITLE OF INVENTION: PERIODIC ANTIMICROBIAL PEPTIDES
 9 <130> FILE REFERENCE: 43225-62424USPT
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/785,210
 12 <141> CURRENT FILING DATE: 2004-02-24
 14 <150> PRIOR APPLICATION NUMBER: to be assigned
 15 <151> PRIOR FILING DATE: 2003-02-24
 17 <160> NUMBER OF SEQ ID NOS: 56
 19 <170> SOFTWARE: PatentIn version 3.2
 21 <210> SEQ ID NO: 1
 22 <211> LENGTH: 16
 23 <212> TYPE: PRT
 24 <213> ORGANISM: Periodic Peptide
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 33 <211> LENGTH: 20
 34 <212> TYPE: PRT
 35 <213> ORGANISM: Periodic Peptide
 37 <400> SEQUENCE: 2
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 40 1 5 10 15
 43 Lys Phe Ala Lys
 44 20
 47 <210> SEQ ID NO: 3
 48 <211> LENGTH: 24
 49 <212> TYPE: PRT
 50 <213> ORGANISM: Periodic Peptide
 52 <400> SEQUENCE: 3
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 55 1 5 10 15
 58 Lys Phe Ala Lys Lys Phe Ala Lys
 59 20
 62 <210> SEQ ID NO: 4
 63 <211> LENGTH: 28
 64 <212> TYPE: PRT
 65 <213> ORGANISM: Periodic Peptide
 67 <400> SEQUENCE: 4
 69 Lys Phe Ala Lys Lys Phe Ala Lys Lys Phe Ala Lys Lys Phe Ala Lys
 70 1 5 10 15

pp 1-5
 (global error) Does Not Comply
 Corrected Diskette Needed

invalid <213> response. See item 10 on
 Error Summary
 sheet.

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Input Set : A:\SEQUENCE LISTING.txt

Output Set: N:\CRF4\03082004\J785210.raw

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80 <213> ORGANISM: Periodic Peptide
82 <400> SEQUENCE: 5
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85 1          5          10          15
88 Lys Phe Ala Lys Lys Phe Ala Lys Lys Phe Ala Lys Lys Phe Ala Lys
89          20          25          30
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93 <211> LENGTH: 48
94 <212> TYPE: PRT
95 <213> ORGANISM: Periodic Peptide
97 <400> SEQUENCE: 6
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100 1          5          10          15
103 Lys Phe Ala Lys Lys Phe Ala Lys Lys Phe Ala Lys Lys Phe Ala Lys
104          20          25          30
107 Lys Phe Ala Lys Lys Phe Ala Lys Lys Phe Ala Lys Lys Phe Ala Lys
108          35          40          45
111 <210> SEQ ID NO: 7
112 <211> LENGTH: 68
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114 <213> ORGANISM: Periodic Peptide
116 <400> SEQUENCE: 7
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119 1          5          10          15
122 Lys Phe Ala Lys Lys Phe Ala Lys Lys Phe Ala Lys Lys Phe Ala Lys
123          20          25          30
126 Lys Phe Ala Lys Lys Phe Ala Lys Lys Phe Ala Lys Lys Phe Ala Lys
127          35          40          45
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131          50          55          60
134 Lys Phe Ala Lys
135 65
138 <210> SEQ ID NO: 8
139 <211> LENGTH: 84
140 <212> TYPE: PRT
141 <213> ORGANISM: Periodic Peptide
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146 1          5          10          15
149 Lys Phe Ala Lys Lys Phe Ala Lys Lys Phe Ala Lys Lys Phe Ala Lys
150          20          25          30
153 Lys Phe Ala Lys Lys Phe Ala Lys Lys Phe Ala Lys Lys Phe Ala Lys
154          35          40          45
157 Lys Phe Ala Lys Lys Phe Ala Lys Lys Phe Ala Lys Lys Phe Ala Lys

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RAW SEQUENCE LISTING

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Input Set : A:\SEQUENCE LISTING.txt

Output Set: N:\CRF4\03082004\J785210.raw

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158      50      55      60
161 Lys Phe Ala Lys Lys Phe Ala Lys Lys Phe Ala Lys Lys Phe Ala Lys
162 65      70      75      80
165 Lys Phe Ala Lys
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170 <211> LENGTH: 24
171 <212> TYPE: PRT
172 <213> ORGANISM: Periodic Peptide
174 <400> SEQUENCE: 9
176 Arg Phe Ala Arg Arg Phe Ala Arg Arg Phe Ala Arg Arg Phe Ala Arg
177 1      5      10      15
180 Arg Phe Ala Arg Arg Phe Ala Arg
181      20
184 <210> SEQ ID NO: 10
185 <211> LENGTH: 28
186 <212> TYPE: PRT
187 <213> ORGANISM: Periodic Peptide
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192 1      5      10      15
195 Arg Phe Ala Arg Arg Phe Ala Arg Arg Phe Ala Arg
196      20      25
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200 <211> LENGTH: 32
201 <212> TYPE: PRT
202 <213> ORGANISM: Periodic Peptide
204 <400> SEQUENCE: 11
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207 1      5      10      15
210 Arg Phe Ala Arg Arg Phe Ala Arg Arg Phe Ala Arg Arg Phe Ala Arg
211      20      25      30
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215 <211> LENGTH: 24
216 <212> TYPE: PRT
217 <213> ORGANISM: Periodic Peptide
219 <400> SEQUENCE: 12
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222 1      5      10      15
225 Phe Ala Lys Lys Phe Ala Lys Lys
226      20
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230 <211> LENGTH: 24
231 <212> TYPE: PRT
232 <213> ORGANISM: Periodic Peptide
234 <400> SEQUENCE: 13
236 Ala Lys Lys Phe Ala Lys Lys Phe Ala Lys Lys Phe Ala Lys Lys Phe
237 1      5      10      15
240 Ala Lys Lys Phe Ala Lys Lys Phe
241      20

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/785,210

DATE: 03/08/2004

TIME: 09:32:47

Input Set : A:\SEQUENCE LISTING.txt

Output Set: N:\CRF4\03082004\J785210.raw

244 <210> SEQ ID NO: 14
 245 <211> LENGTH: 24
 246 <212> TYPE: PRT
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 252 1 5 10 15
 255 Lys Lys Phe Ala Lys Lys Phe Ala
 256 20
 259 <210> SEQ ID NO: 15
 260 <211> LENGTH: 20
 261 <212> TYPE: PRT
 262 <213> ORGANISM: Periodic Peptide
 264 <400> SEQUENCE: 15
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 267 1 5 10 15
 270 Leu Lys Lys Leu
 271 20
 274 <210> SEQ ID NO: 16
 275 <211> LENGTH: 24
 276 <212> TYPE: PRT
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 279 <400> SEQUENCE: 16
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 282 1 5 10 15
 285 Leu Lys Lys Leu Leu Lys Lys Leu
 286 20
 289 <210> SEQ ID NO: 17
 290 <211> LENGTH: 28
 291 <212> TYPE: PRT
 292 <213> ORGANISM: Periodic Peptide
 294 <400> SEQUENCE: 17
 296 Leu Lys Lys Leu Leu Lys Lys Leu Leu Lys Lys Leu Leu Lys Lys Leu
 297 1 5 10 15
 300 Leu Lys Lys Leu Leu Lys Lys Leu Leu Lys Lys Leu
 301 20 25
 304 <210> SEQ ID NO: 18
 305 <211> LENGTH: 32
 306 <212> TYPE: PRT
 307 <213> ORGANISM: Periodic Peptide
 309 <400> SEQUENCE: 18
 311 Leu Lys Lys Leu Leu Lys Lys Leu Leu Lys Lys Leu Leu Lys Lys Leu
 312 1 5 10 15
 315 Leu Lys Lys Leu Leu Lys Lys Leu Leu Lys Lys Leu Leu Lys Lys Leu
 316 20 25 30
 319 <210> SEQ ID NO: 19
 320 <211> LENGTH: 28
 321 <212> TYPE: PRT
 322 <213> ORGANISM: Periodic Peptide

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/785,210

DATE: 03/08/2004

TIME: 09:32:47

Input Set : A:\SEQUENCE LISTING.txt

Output Set: N:\CRF4\03082004\J785210.raw

324 <400> SEQUENCE: 19
 326 Lys Phe Ala Phe Lys Phe Ala Phe Lys Phe Ala Phe Lys Phe Ala Phe
 327 1 5 10 15
 330 Lys Phe Ala Phe Lys Phe Ala Phe Lys Phe Ala Phe
 331 20 25
 334 <210> SEQ ID NO: 20
 335 <211> LENGTH: 28
 336 <212> TYPE: PRT
 337 <213> ORGANISM: Periodic Peptide
 339 <400> SEQUENCE: 20
 341 Lys Phe Phe Lys Lys Phe Phe Lys Lys Phe Phe Lys Lys Phe Phe Lys
 342 1 5 10 15
 345 Lys Phe Phe Lys Lys Phe Phe Lys Lys Phe Phe Lys
 346 20 25
 349 <210> SEQ ID NO: 21
 350 <211> LENGTH: 28
 351 <212> TYPE: PRT
 352 <213> ORGANISM: Periodic Peptide
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 360 Lys Phe Ala Lys Lys Phe Ala Lys Lys Phe Ala Lys
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 364 <210> SEQ ID NO: 22
 365 <211> LENGTH: 28
 366 <212> TYPE: PRT
 367 <213> ORGANISM: Periodic Peptide
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 375 Lys Ala Ala Lys Lys Ala Ala Lys Lys Ala Ala Lys
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 379 <210> SEQ ID NO: 23
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 381 <212> TYPE: PRT
 382 <213> ORGANISM: Periodic Peptide
 384 <400> SEQUENCE: 23
 386 Lys Lys Ala Lys Lys Lys Ala Lys Lys Lys Ala Lys Lys Lys Ala Lys
 387 1 5 10 15
 390 Lys Lys Ala Lys Lys Lys Ala Lys Lys Lys Ala Lys
 391 20 25
 394 <210> SEQ ID NO: 24
 395 <211> LENGTH: 15
 396 <212> TYPE: PRT
 397 <213> ORGANISM: Periodic Peptide
 399 <400> SEQUENCE: 24
 401 Lys Phe Lys Lys Phe Lys Lys Phe Lys Lys Phe Lys Lys Phe Lys
 402 1 5 10 15
 405 <210> SEQ ID NO: 25

The types of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/785,210

DATE: 03/08/2004

TIME: 09:32:48

Input Set : A:\SEQUENCE LISTING.txt

Output Set: N:\CRF4\03082004\J785210.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application Number